



TITLE:

観測より得たる流星輻射點の表(續)

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CITATION:

小槇, 孝二郎. 観測より得たる流星輻射點の表(續). 天界 1943, 23(265): 225-229

ISSUE DATE:

1943-07-01

URL:

<http://hdl.handle.net/2433/168627>

RIGHT:

## 観測より得たる流星輻射點の表(續)\*

List of Radiant Points of Meteors derived from Observations.

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下記の表は昭和3年以來“天界”及びブレテンに連載するもの(最近は天界第263號)の續きである。The following list is the continuation mentioned in The Heavens or the Bulletins since 1928. (The latest being in The Heavens No. 263.)

通 番 號 Current Number	時刻(世界時) Time(U.T.)	流星 向點の 黄經 L	輻 射 點 Radiant Point		流星數 Mete- ors	重み Wei- ght	觀測者 Obser- ver	備 考 Remarks
			$\alpha$	$\delta$				
1938年	January 月							
1823	一月 4.82	193.8	229	+54	4	2	Ko	Quadrantid
1824	" "	" "	186	+42	4	1	"	
1825	2.77	191.7	234	+53.5	5	2	Ys	Quadrantid
1826	" "	" "	201	+32	5	2	"	
1827	22.46	211.5	10	+21	5	2	"	
	July							
1828	七月 28.74	35.8	343	-14.5	6	4	Ko	$\delta$ -Aquarid
1829	31.64	38.2	309	+16	4	2	St'	
1830	31.66	38.2	11	+42	1	3	"	S. M.
	August							
1831	八月 6.75	44.1	38	+56.5	9	4	Ko	Perseid
1832	" "	" "	13	+44	5	2	"	
1833	11.76	49.0	42	+57.5	5	4	Su	Perseid
1834	124.5	61.4	337	-11	5	1	Ys	
	September							
1835	九月 23.62	90.8	22.5	-0.5	4	2	"	
1836	25.63	92.8	35	+35	4	3	"	
	October							
1837	十月 26.70	123.5	98	+15	4	1	Ak'	Geminid
1838	23.66	110.5	98	+17	9	3	Ht	Geminid
1839	" "	" "	91	+15	8	4	"	Orionid
1840	4.71	101.8	34	-5	5	1	Ys	
1841	16.51	113.4	29	+2	6	3	"	
1842	18.60	115.3	89.5	+15.5	7	3	"	Orionid
1843	" "	" "	75	+18	5	2	"	$\beta$ -Taurid
1844	" "	" "	53	+15	4	1	"	
1845	" "	" "	84	+3	5	2	"	
1846	19.64	116.5	92	+14	13	3	"	Orionid
1847	" "	" "	96	+1	6	3	"	
1848	21.53	118.4	34	+13	5	2	"	
1849	" "	" "	41	+13	4	1	"	Cf. 1800
1850	22.54	119.4	36	+17	5	1	"	
1851	" "	" "	41.5	+14	5	1	"	Cf. 1849
1852	22.73	119.6	95.5	+15	7	3	"	$\gamma$ -Geminid
1853	" "	" "	65.5	+18	6	3	"	
1854	23.60	120.4	95	+15	8	2	"	$\gamma$ -Geminid
1855	25.64	122.4	78	+34	6	3	"	
1856	" "	" "	57.5	+15	6	3	"	$\lambda$ -Taurid

\* 東亞天文協會紀要 O. A. A. Memoirs No. 85. (續 Continued)

通 番 號 Current Number	時刻(世界時) Time(U.T.)	流星 向點の 黄經 L	輻 射 點 Radiant Point		流星數 Mete- ors	重み Wei- ght	觀測者 Obser- ver	備 考 Remarks
			$\alpha$	$\delta$				
1938年	October 11							
1857	十月 25.64	122.4	98	+14	6	3	Ys	$\gamma$ -Geminid
1858	"	"	23	- 5	5	2	"	
1859	26.63	123.4	98	+16.5	6	3	"	$\gamma$ -Geminid
1860	"	"	107	+21.5	7	3	"	$\zeta$ -Geminid
1861	November							
1861	十一月 15.60	143.3	63	+21	5	2	Sz'	$\omega$ -Taurid
1862	22.76	150.6	158	+19	5	1	"	Leonid
1863	1.71	129.5	37	+20	5	1	Ys	
1864	"	"	85	+ 5	4	1	"	$\omega$ -Orionid
1865	15.74	143.4	151	+24	7	4	"	Leonid
1866	"	"	88	+43	5	1	"	
1867	16.77	144.4	151	+22.5	5	3	"	Leonid
1868	"	"	153	+22	10	4	"	Leonid
1869	17.75	145.4	154.5	+22	6	3	"	Leonid
1870	"	"	150	+26	6	3	"	$\mu$ -Leonid
1871	"	"	60	+23	6	1	"	Cf. 1861
1872	18.69	146.4	154.5	+20.5	5	2	"	Leonid
1873	"	"	150.5	+26	4	2	"	Cf. 1870
1874	19.71	147.4	152.5	+20	10	3	"	Leonid
1875	"	"	151	+26	3	1	"	Cf. 1873
1876	"	"	74	+30.5	7	3	"	$\beta$ -Taurid
1877	"	"	90	+12	5	2	"	
1878	"	"	87.5	+23	5	1	"	
1879	23.65	151.3	69	+19	5	2	"	
1880	"	"	73	+31.5	4	1	"	Cf. 1876
1881	"	"	83	+12	5	1	"	
1882	"	"	61	+32	5	1	"	
1883	25.62	153.3	75	+26	5	1	"	Cf. 1880
1884	26.80	154.4	169	+ 7	5	2	"	
1885	"	"	162	+30	5	2	"	
1886	December							
1886	十二月 2.83	160.5	113	+28	7	3	Ak	$\beta$ -Geminid
1887	14.51	172.2	112	+32.5	9	4	Ko	Geminid
1939年	April							
1888	四月 9.59	287.9	227	+26	4	1	Ys	
1889	20 24.1	302.1	236	- 7	5	1	"	
1890	May							
1890	五月 15.75	323.3	341	0	5	1	"	
1891	July							
1891	七月 12.65	19.5	291	-10	4	2	"	
1892	14.64	21.4	4	+35	5	2	"	Cf. 1903
1893	"	"	292	- 9.5	3	1	"	Cf. 1891
18 4	15.65	22.4	355	+47	5	2	"	
1895	"	"	331	+65	4	1	"	
1896	"	"	319	+25	4	1	"	
18 7	"	"	272	+21	5	1	"	
1898	16.67	23.4	343	+39	8	3	"	
1899	"	"	319	-21	6	2	"	
1900	"	"	305	+ 1	6	2	"	
1901	17.67	24.4	326	+35.5	5	2	"	
1902	"	"	339	+ 7.5	5<	3	"	
1903	"	"	5.5	+36.5	5	3	"	Cf. 1892
1904	18.71	25.4	15.5	+14.5	5	2	"	
1905	"	"	328	+ 1	4	1	"	
1906	20 20.2	26.8	313	- 9	6	2	"	
1907	"	"	273	+38	4	1	"	
1908	19.68	26.3	336	-21	4	1	"	

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			$\alpha$	$\delta$				
1939年	July							
1909	七月 23.73	30.3	358	+47.5	4	1	Ys	
1910	25.71	32.2	342	-16	6	3	"	$\delta$ -Aquarid
1911	"	"	328	-1	6	2	"	
1912	"	"	6.5	+44	5	3	"	
1913	"	"	1	+25	5	3	"	
	August							
1914	八月 11.76	48.8	26	+28	4	3	Ko	$\alpha$ -Triangulid
1915	12.71	49.7	45.5	+55	7	4	"	Perseid
1916	12.68	49.6	48	+49.3	1	3	"	S. M.
1917	12.71	49.7	31.5	+62.5	6	3	"	
1918	13.59	50.5	45	+54.5	7<	4	"	Perseid
1919	14.77	51.6	47	+54	1	5	"	S. M., Perseid
1920	4.48	41.7	299	+30	1	2	Ys	S. M.
1921	10.65	47.7	48	+57	4	2	"	Perseid
1922	"	"	61	+59	4	2	"	
1923	"	"	290	+55	7	3	"	$\kappa$ -Cygnid
1924	11.65	48.7	25	+69	8	4	"	Cassiopeid
1925	"	"	47	+58	10<	2	"	Perseid
1926	"	"	345	+56	6	3	"	
1927	"	"	345	+0.5	7	5	"	Piscid (1789)
1928	"	"	7	+28	5	2	"	Cf. 1933
1929	12.72	49.7	46.0	+58.2	1	3	"	S. M.
1930	12.67	"	48	+58	20<	3	"	Perseid
1931	13.70	50.6	50	+55	20<	3	"	Perseid
1932	15.66	52.5	52.5	+57	10<	3	"	Perseid
1933	"	"	4	+29	8	3	"	Cf. 1928
1934	"	"	342	-9.5	5	2	"	$\lambda$ -Aquarid
1935	16.65	53.5	57	+57	5	3	"	Perseid
1936	"	"	62	+40	5	1	"	
1937	"	"	339	-7	10<	3	"	Cf. 1934
1938	17.67	54.5	55	+57.5	6	3	"	Perseid
1939	"	"	349.5	-8	5	3	"	
1940	"	"	30	+26	4	1	"	
1941	"	"	19	+42.5	5	2	"	
1942	18.67	55.5	58.5	+57	4	1	"	Perseid
1943	"	"	352	-1	5	2	"	
1944	19.67	56.4	68	+63	6	2	"	
1945	"	"	45	+49	7	2	"	
1946	"	"	45	+20.5	5	2	"	
1947	"	"	321	+5	5	1	"	
1948	20.61	57.3	350	+3.5	6	2	"	
	October							
1949	十月 20.83	117.4	92	+14	5	2	Ko	Orionid
1950	21.82	118.4	92	+14	6	3	"	Orionid
1951	"	"	96	+12.5	4	2	"	Orionid
1952	22.83	119.4	95.5	+15.5	4<	3	"	$\gamma$ -Geminid
1953	17.64	114.2	86	+15	4	2	Ys	Orionid
1954	"	"	50	+12.5	4	2	"	
1955	19.79	116.4	96	+15	5	1	"	$\gamma$ -Geminid
1956	20.73	117.3	91.5	+14.8	8	4	"	Orionid
1957	"	"	98	+15.5	5	2	"	$\gamma$ -Geminid
1958	"	"	55	+35	5	1	"	
1959	21.71	118.3	93.5	+14	7	3	"	Orionid
1960	"	"	97.5	+17.5	8	4	"	$\gamma$ -Geminid
1961	"	"	128	+7	5	2	"	
1962	"	"	38.5	+16	5	2	"	
1963	22.70	119.3	94	+13.8	4	2	"	Orionid

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			$\alpha$	$\delta$				
1939年	October 日							
1964	十月 22.70	119.3	97	+15.5	6	3	Ys	$\gamma$ -Geminid
1965	23.78	120.4	96	+15.5	5	3	"	$\gamma$ -Geminid
	November							
1966	十一月 4.58	132.1	59.5	+21.5	4	1	"	Cf. 1871, 1975
1967	6.62	134.1	55	+22.2	8	3	"	$\eta$ -Taurid
1968	"	"	75	+16	5	3	"	
1969	"	"	79	+11	4	2	"	
1970	7.65	135.1	56	+22.5	8	3	"	Cf. 1967
1971	"	"	64	+23.5	7	3	"	1961?
1972	"	"	96	+7	4	2	"	
1973	10.67	138.3	57	+18	7	2	"	
1974	"	"	147	+38	4	1	"	
1975	11.73	140.3	61	+24.5	5	2	"	Cf. 1871, 1966
1976	"	"	69	+27	8	3	"	Cf. 1979
1977	"	"	145	+22.5	5	3	"	Leonid
1978	15.65	143.2	61.5	+25	5	4	"	Cf. 1975, 1966
1979	"	"	67	+28	4	1	"	Cf. 1976
1980	"	"	81	+27	6	3	"	$\beta$ -Taurid
1981	18.72	136.1	81	+27	4	1	"	Cf. 1980
1982	"	"	69	+13	6	1	"	
1983	"	"	152.5	+22	5	1	"	Leonid
	December							
1984	十二月 8.68	166.1	111	+31.8	7	3	"	Geminid
1985	"	"	82	+32.5	5	3	"	
1986	"	"	130.5	+22.5	5	1	"	
1987	10.65	168.1	110.5	+30.5	9	3	"	Geminid
1988	"	"	93	+10	5	3	"	
1989	"	"	105	+47.5	5	3	"	
1990	12.60	170.0	112	+32	7	3	"	Geminid
1991	"	"	117.5	+27.2	5	2	"	$\beta$ -Geminid
1992	"	"	83.5	+46.5	5	2	"	
1993	"	"	54	+21	5	3	"	
1994	"	"	126.2	+17	6	3	"	
1995	"	"	85	- 0.5	5	3	"	
1996	13.67	171.1	113	+32.2	10	2	"	Geminid
1997	"	"	113	+26	5	2	"	
1998	14.68	172.1	113	+32.5	10	3	"	Geminid
1999	"	"	116	+28	5	2	"	Cf. 1991
2000	15.62	173.0	116	+31	6	2	"	
2001	16.68	174.1	159.5	+21	8	4	"	
2002	"	"	119	+31	4	2	"	
2003	"	"	112.5	+13	5	2	"	
2004	"	"	147	+37.5	5	2	"	Leominorid
2005	17.69	175.1	150	+39	10	2	"	Cf. 2004
2006	19.65	177.1	88	+2	5	1	"	
2007	20.73	178.1	193	+59.5	7	4	"	
2008	"	"	170	+53	5	1	"	
2009	"	"	166	+22	5	2	"	
2010	"	"	140	+26	9	2	"	
2011	"	"	176	+40	5	1	"	Cf. 2018
2012	21.78	179.2	168	+40	7	2	"	
2013	12.56	169.9	111	+33	5	3	Ko	Geminid
2014	13.56	170.9	112	+33	16	4	"	Geminid
2015	14.83	172.2	112.5	+32	11	3	"	Geminid
2016	"	"	142.5	+10.5	4	1	"	
2017	16.82	174.2	155	+20	5	3	"	
2018	20.82	178.2	179	+40	5	1	"	Cf. 2011

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			$\alpha$	$\delta$				
1939年	December							
2019	十二月 21.81	179.2	225°	+75°	6	2	Ko	Tuttle's Comet
1940年	January							
2020	一月 10.77	149.2	183	+31	1	2	Ys	S. M.
	May							
2021	五月 5.77	314.3	335	+ 1.5	6	2	"	$\eta$ -Aquarid
	July							
2022	七月 29.61	36.7	337.5	-11.0	6	4	Ko	$\delta$ -Aquarid
2023	30.63	37.7	338.2	-15.0	1	5	"	S. M.
2024	"	"	339.0	-11.0	5	4	"	$\delta$ -Aquarid
	August							
2025	八月 12.71	50.4	46	+57	5	1	Ys	Perseid
	December							
2026	十二月 12.85	171.0	115	+33	4	2	Kw	Geminid
2027	31.84	190.0	199	+49.5	7	4	Eg	$\eta$ -Ursid

## 注意 Remarks:

S. M. 停止流星 Stationary meteor.

- 1) 二日間(1938年八月 Aug. 24日, 25日)の観測を結合す Combined.  
 2) 二日間(1939年四月 Apr. 23日, 24日)の観測を結合す Combined.  
 3) 二日間(1939年七月 July 19日, 20日)の観測を結合す Combined.

## 正誤 Errata in 天界 The Heavens No. 263, the latest list:

Page 170, line 5, for 1937 Jau. read 1937 Jan.  
 170, line 13, for Abril read April  
 171, line 27, for Monocerotid read Monocerotid

## 頒布印刷物

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